

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s) : Guillermo J. Tearney et al.  
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For : OPTICAL METHODS AND SYSTEMS FOR TISSUE ANALYSIS  
Examiner : Ruth S. Smith  
Group Art Unit : 3737

Commissioner for Patents  
United States Patent and Trademark Office  
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**SECOND AMENDMENT AFTER FINAL OFFICE ACTION**

Sir:

This paper is filed in response to a final Office Action dated June 20, 2006 and an Advisory Action dated August 31, 2006. Initially, please amend the above-identified application as set forth below.

**In The Claims:**

Please cancel claims 4, 40 and 41 without prejudice, and amend claims 1, 21-25, 39, 42, 43, 62, 73, 75-80, 84 and 85, as provided below in the associated claim listing on separate sheets: